

**WE CLAIM:**

1. A method for space planning in a health-care facility, comprising the steps of:

2 receiving user requirements for a proposed health-care facility;

applying generic space allocations for health-care facilities to the user requirements;

4 applying a cost database for health-care facilities planning to the user requirements;

applying generic room data sheets for health-care facilities to the user requirements;

6 applying an equipment database for health-care facilities to the user requirements; and

generating output data for planning an health-care facility according to the user requirements.

2. A method as claimed in claim 1, wherein said output data includes area to be

2 occupied by the health-care facility, estimated costs of constructing the health care facility

and identification of equipment to be provided for the health-care facility.

3. A method as claimed in claim 1, wherein said step of receiving the user

2 requirements includes identification of departments to be provided in the health-care facility.

4. A method as claimed in claim 3, wherein said step of receiving the user

2 requirements includes identification of expected outpatient services and desired number of

patient beds per department.

5. A method as claimed in claim 1, further comprising the step of:

2 applying said space planning method to an existing health-care facility.

6. A method as claimed in claim 1, wherein said step of generating output data

2 includes: identifying rooms to be provided for a health-care facility.

7. A method as claimed in claim 1, wherein said step of generating output data  
2 includes: identifying associated supporting rooms for primary rooms of the health-care  
facility and including said primary rooms and said associated supporting rooms in said output  
4 data.

8. A method as claimed in claim 1, wherein said step of generating output data  
2 includes: generating a total estimated cost for the health-care facility.

9. A method as claimed in claim 8, wherein said step of generating output data  
2 includes: generating costs per department for the health-care facility.

10. A method as claimed in claim 1, further comprising the steps of:  
2 identifying rooms to be provided in the health-care facility by room type; and  
applying generic room data to each of the room types in the health-care facility.

11. A method as claimed in claim 1, further comprising the step of:  
2 identifying items of equipment to be provided for types of rooms of the health-care facility.

12. A method as claimed in claim 11, further comprising the step of:  
2 identifying cost of equipment for types of rooms of the health-care facility.

13. A computer-implemented system for planning a health-care facility, comprising:  
2 an input process for accepting user information on a requested health-care facility;  
generic room data and cost data and area data for room types in a health-care facility;  
4 a process framework for applying the generic room data and area data and cost data to the  
user information; and

6 a display process for displaying output data for the health-care facility including area  
information and cost information and equipment information.

14. A computer-implemented system as claimed in claim 13, wherein said generic  
2 room type data includes room information for types of rooms in health-care facilities and said  
process framework applies said generic room type data to the user information.

15. A computer-implemented system as claimed in claim 13, wherein said input  
2 process includes identification of available departments for selection by the user.

16. A computer-implemented system as claimed in claim 15, wherein said input  
2 process includes an input process for receiving information from a user on a number of bed  
for each selected department and a number of outpatient services for each selected department  
4 and a number of health-care professionals for each selected department of the health-care  
facility.

17. A computer-implemented system as claimed in claim 13, wherein said display  
2 process displays output data for common areas of the health-care facility and for department  
areas of the health-care facility.

18. A computer-implemented system as claimed in claim 13, wherein said cost data  
2 displayed by said display process includes an estimate for total cost of the health-care facility  
and costs for systems within the health-care facility.

19. A computer-implemented method for planning a health-care facility, comprising  
2 the steps of:  
  
presenting a listing of departments of health-care facilities to a user for selection;

- 4 receiving selections of departments from the user for a health-care facility;  
requesting information on each selected department from the user;
- 6 receiving said information from said user for selected departments;  
applying a process framework to said selections and said information from said user, said
- 8 process framework applying generic room type data and cost data and area data to said  
selections and said information from said user;
- 10 generating an output of cost information and area information for the health-care facility.

20. A computer-implemented method as claimed in claim 19, wherein said step of  
2 generating generates an output of equipment information for the health-care facility.

21. A computer-implemented method as claimed in claim 19, wherein said cost  
2 information includes total estimated cost information and estimated cost information per  
selected department, and said area information includes total area information and area  
4 information per department.

22. A computer-implemented method as claimed in claim 19, wherein said cost  
2 information and area information includes information for common areas and for selected  
department areas.

23. A computer-implemented method as claimed in claim 19, further comprising the  
2 step of:  
applying the method steps to a proposed health-care facility.

24. A computer-implemented method as claimed in claim 19, further comprising the

2 step of:

applying the method steps to an existing health-care facility.

25. A computer-implemented method as claimed in claim 19, wherein said step of

2 applying the process framework draws data from user requirements and generic space  
allocations and a cost database and an equipment database and generic room data.

26. A computer-implemented method as claimed in claim 19, further comprising the

2 steps of:

receiving different user information after said step of generating the output; and

4 providing updated output information based on the different user information.